

GENERAL NOTES

- ELEVATIONS SHOWN HERE ON ARE REFERRED TO NORTH AMERICAN VERTICAL DATUM (N.A.V.D. 1988); ELEVATION = 5.14.
- REFERENCE BENCHMARKS: BROWARD COUNTY ENGINEERING DEPARTMENT, BM# 0580 ELEVATION = 5.37 AND BM #0579 ELEVATION = 6.39.
- HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE CONTRACTOR'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION SUPPLIED BY OTHERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET WITH ALL APPLICABLE UTILITY COMPANIES TO VERIFY ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. ALL TRENCH EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL SUCH DAMAGE.
- EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
- REFERENCE SHALL BE MADE TO THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATIONS, SIZE AND DETAILS OF ALL UTILITY SERVICES TO THE BUILDINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling ALL DISTURBED EXISTING MANHOLE COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON THESE DRAWINGS OR NOT.
- BOUNDARY AND TOPOGRAPHIC DATA BASED UPON SURVEY PREPARED BY McLAUGHLIN ENGINEERING COMPANY, FORT LAUDERDALE, FLORIDA, DATED MARCH 20, 2020.
- THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE X, 0.2% ANNUAL CHANCE OF FLOOD HAZARD PER FLOOD INSURANCE RATE MAP NO. 12011C0376H, DATED: AUGUST 18, 2014. COMMUNITY PANEL NO. 120050.

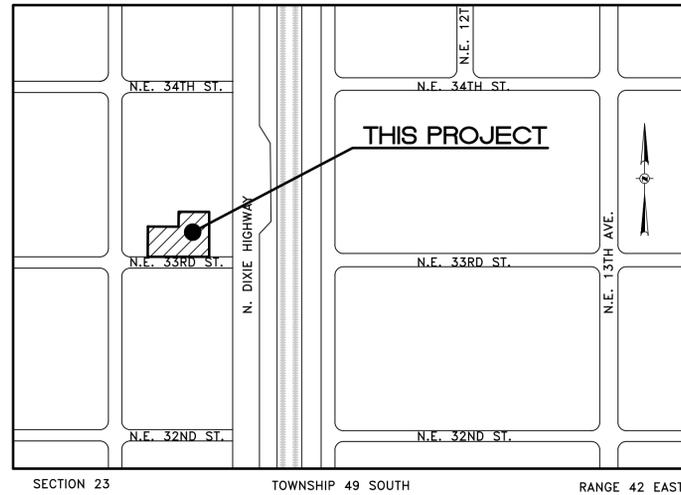
PAVING-GRADING-DRAINAGE NOTES

- HORIZONTAL AND VERTICAL CONTROL POINTS SHALL BE PROVIDED BY THE OWNER. ALL CONSTRUCTION LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IN THE EVENT THAT CONTROL POINTS ARE DISTURBED BY CONTRACTOR, CONTRACTOR SHALL PAY FOR ALL RESETTling OF CONTROL POINTS.
- GRADING SHALL CONSIST OF ALL EXCAVATION, FILLING, SHAPING AND SLOPING NECESSARY FOR THE CONSTRUCTION, PREPARATION AND COMPLETION OF ALL SUBGRADES SHOULDERS, SLOPES, INTERSECTIONS, PAVEMENTS AND OTHER AREAS, ALL IN ACCORDANCE WITH THE ALIGNMENT AND GRADES SHOWN IN THESE DRAWINGS.
- DRAINAGE STRUCTURES SHALL BE AS DETAILED IN THESE DRAWINGS. DRAINAGE PIPE TO BE CORRUGATED POLYETHYLENE.
- ASPHALTIC PAVEMENTS SHALL CONSIST OF COMPACTED SUBGRADE, COMPACTED LIMEROCK SUBBASE AND TYPE S-3 ASPHALTIC CONCRETE, AS SHOWN IN THESE DRAWINGS.
- WHERE APPLICABLE, SAWCUT ALL PAVEMENT EDGES WHERE EXISTING PAVEMENT IS TO REMAIN.
- CONCRETE CURB, SIDEWALK AND SLABS SHALL CONSIST OF 3,000 PSI PORTLAND CEMENT CONCRETE, AS SHOWN IN THESE DRAWINGS.
- ALL REINFORCING, ALL SIZES, SHALL CONFORM TO ASTM A615, GRADE 60.
- ALL EXPOSED CONCRETE SURFACES SHALL RECEIVE A LIGHT BROOM FINISH, UNLESS OTHERWISE DIRECTED. SEE ARCHITECTURAL DRAWINGS FOR WALKWAY FINISHES.
- FINAL GRADING OF LANDSCAPING AREAS SHALL BE COORDINATED IN THE FIELD WITH ENGINEER/LANDSCAPE ARCHITECT. COMPACTED FILL IN LANDSCAPED AREAS SHALL BE PLACED SUCH THAT 12 INCHES OF TOP SOIL MAY BE PLACED BETWEEN THE COMPACTED FILL AND FINISHED GRADE.
- TESTING LABORATORY SHALL BE RETAINED BY THE CONTRACTOR TO VERIFY SPECIFIED COMPACTION DENSITY AND CONCRETE STRENGTH. FAILURE OF ANY TESTING TO MEET SPECIFIED REQUIREMENTS SHALL BE DEEMED NON-COMPLYING.

ADA COMPLIANCE NOTES

- THIS SET OF DOCUMENTS HAS BEEN DESIGNED TO COMPLY WITH 2012 & FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION AND PER APPLICABLE FDOT INDEXES 304, 310 & 515. ALL RELATED SECTIONS OF THE CODE ARE NOTED WITHIN THESE DOCUMENTS AND STRICT COMPLIANCE IS REQUIRED BY ALL CONSTRUCTION TRADES. CONSTRUCTION QUALITY AND COMPLIANCE OF THE FINAL PRODUCT ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- ALL ACCESSIBLE ROUTES MUST NOT EXCEED A SLOPE OF 1:20 (5.00%). CURB CUT RAMPS AND RAMPS MUST NOT EXCEED A SLOPE OF 1:12 (8.33%). RAMPS THAT EXCEED 6 FEET IN LENGTH REQUIRE HANDRAILS. ALL CROSS SLOPES MUST NOT EXCEED A SLOPE OF 1:50 (2.00%).
- PLANTERS, TREE GRATES AND OTHER ELEMENTS MUST BE FLUSH AND ADA COMPLIANT. PAVERS ON PEDESTRIAN PATH MUST BE FLUSH, FIRM, STABLE AND HAVE NO OPEN JOINTS.
- ALL DETECTABLE WARNINGS TO BE IN ACCORDANCE WITH MIAMI-DADE COUNTY ARTICLE 527 TESTED MATERIAL, TYPE & COLOR, LATEST EDITION (7/7/16).

**SITE PLAN DRAWINGS FOR
CENTRAL PARK
3328 N.E. 11TH AVENUE,
OAKLAND PARK, FL 33334**



LOCATION MAP
N.T.S.

LEGAL DESCRIPTION

LOTS 1, 2, 3, 4, 5 AND 6, 12 AND 13, BLOCK 103, OAKLAND PARK, SECOND ADDITION, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 39, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

SAID LAND SITUATE, LYING AND BEING IN THE CITY OF OAKLAND PARK, BROWARD COUNTY, FLORIDA AND CONTAINING 26,690 SQUARE FEET OR 0.6127 ACRES, MORE OR LESS.

INDEX OF DRAWINGS

SHT. NO.	TITLE
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PGD-1.0	PAVING-GRADING-DRAINAGE PLAN
PGD-2.0	SITE DETAILS
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UTILITY DEMOLITION NOTES

- EXISTING CONDITIONS SHOWN BASED UPON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO INITIATE WORK.
- ALL EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES.
- ASPHALTIC PAVEMENT DESIGNATED FOR DEMOLITION SHALL BE REMOVED AND DISPOSED OF OFF-SITE AT AN APPROVED LOCATION. SAWCUT ALL PAVEMENT EDGES WHERE EXISTING PAVEMENT IS TO REMAIN.
- LIMEROCK SUBBASE SHALL BE SCARIFIED TO ITS FULL DEPTH AND SHAPED TO THE LINES AND GRADES SHOWN IN THESE DRAWINGS. IN NO CASE SHALL REMOVED LIMEROCK SUBBASE BE USED AS SUBBASE FOR NEW ROADWAYS, DRIVEWAYS, OR PARKING AREAS.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND OWNER PRIOR TO DEMOLISHING ANY EXISTING UTILITIES.
- THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITY SERVICE LINES PRIOR TO START OF CONSTRUCTION AND DETERMINE THE REQUIREMENTS FOR THEIR PROTECTION.
- THE CONTRACTOR SHALL ARRANGE FOR THE PROPER DISCONNECTION AND CAPPING OF ALL UTILITIES BY THE APPROPRIATE CERTIFIED TECHNICIAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL UTILITIES DESIGNATED TO REMAIN AND TO REPAIR ANY DAMAGED UTILITIES.
- ALL DEMOLITION DEBRIS, EQUIPMENT AND APPURTENANCES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF OFF-SITE IN AN APPROVED MANNER, UNLESS OTHERWISE DESIGNATED BY THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR ALL HAUL ROUTES, TO AND FROM THE SITE, FROM ALL REQUIRED AGENCIES/MUNICIPALITIES.

STRIPING AND SIGNAGE NOTES

- ALL STRIPING IN RIGHT-OF-WAY AND ALL ON-SITE STOP BARS SHALL BE THERMOPLASTIC WITH A MIXTURE OF 50 PERCENT GLASS SPHERES AND 50 PERCENT SHARP SILICA SAND APPLIED AT A RATE OF 0.20 PSF IN ACCORDANCE WITH FDOT SECTION 711.
- ALL SIGNAGE SHALL BE IN ACCORDANCE WITH "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION, AND MATCH EXISTING.
- SIGN POSTS SHALL BE STEEL CHANNEL IN ACCORDANCE WITH VILLAGE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SHALL BE BREAK-A-WAY.
- STOP SIGNS SHALL BE MOUNTED WITH 7' CLEAR FROM SIGN BOTTOM TO GRADE. WHERE INDICATED, ADDITIONAL SIGNAGE SHALL BE MOUNTED BELOW STOP SIGN.
- REFLECTIVE PAVEMENT MARKERS TO BE IN ACCORDANCE WITH FDOT STANDARD INDEX AND SECTION 706 AND SECTION 970 OF THE FDOT STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. CONTRACTOR TO REPLACE ANY BROKEN OR MISSING RPM'S IN ALL WORK AREAS, WHETHER SPECIFICALLY SHOWN OR NOT.

UTILITY COMPANIES

AT&T MR. DINO FARRUGGIO 1120 S ROGER CIR BOCA RATON, FLORIDA 33487 PHONE: (561) 997-0240	FLORIDA POWER & LIGHT COMPANY MR. JOEL BRAY EMAIL: JOELBRAY@FPL.COM 700 UNIVERSITY BLVD. JUNO BEACH, FLORIDA 33408 PHONE: (954) 717-2081
RESURGENCE INFRASTRUCTURE GROUP LLC 44 MILTON AVE SUITE 233 ALPHARETTA, GA 30009 PHONE: (404) 932-4156	TECO PEOPLES GAS MS. JOAN DOMNING 8416 PALM RIVER ROAD TAMPA, FLORIDA 33619 PHONE : (813) 275-3783
WINDSTREAM COMMUNICATION 929 MARTHAS WAY HIAWATHA, IA 52233 PHONE: (800) 289-1901	SPRINT MR. JON BAKER 360 S LAKE DESTINY, SUITE A ORLANDO, FLORIDA 32810 PHONE : (352) 409-5095
BROWARD COUNTY OES - WATER SUPPLY 2300 W COMMERCIAL BLVD FORT LAUDERDALE, FL 33309 PHONE: (954) 847-2745	MCI INVESTIGATIONS 700 WESTON PARKWAY CARY, NC 27513-2219 PHONE: (469) 886-4091
COMCAST MR. LEONARD MAXWEL-NEWBOLD 2601 S.W. 145TH AVE MIRAMAR, FL 33027 PHONE: (754) 221-1254	MASTEC, INC. MR. JULIO MARQUES 18455 N.E. 2ND AVENUE MIAMI, FL 33179 PHONE: (305) 431-6014
CITY OF FORT LAUDERDALE MR. CRAIG BARRETT 100 N. ANDREWS AVE FORT LAUDERDALE, FL 33309 PHONE: (954) 828-5875	CENTURY LINK 1025 ELDORADO BLVD. BROOMFIELD, CO 80021
CITY OF OAKLAND PARK MR. HARVEY RAMBARATH 250 N.E. 33RD ST OAKLAND PARK, FL 33334 PHONE: (954) 630-4478	



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CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NELSON H. ORTIZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FOR THE FIRM : NELSON H. ORTIZ
PE-57556 (CIVIL)

PROJECT TITLE:

OAKLAND PARK-MIXED USE BUILDINGS
3855 NORTH DIXIE HIGHWAY
OAKLAND PARK, FL. 33334

ISSUE:

NO. DATE REVISIONS BY

PROJECT INFORMATION:

PROJECT NUMBER: 2020-7033
DATE: 12/14/20
DRAWN BY: Z.H.
CHECKED BY: J.H.
APPROVED BY: N.H.O.
SCALE: AS SHOWN

SHEET TITLE:

CIVIL COVER SHEET,
LOCATION MAP AND NOTES

SHEET NUMBER:

COVER



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NELSON H. ORTIZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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GENERAL NOTES

SHEET NUMBER:

GENERAL NOTES-BROWARD COUNTY TRAFFIC ENGINEERING DEPT.

ALL PARTIES NOTE THE FOLLOWING:

DIRECTIONAL BORES, UTILITY CONNECTIONS, THE PLACEMENT OF MOT AND ADVANCE SIGNAGE MAY BY THEIR PLACEMENT, DAMAGE/DESTROY THE COMMUNICATIONS CABLE/CONDUIT LOCATED INSIDE AND OUTSIDE THE PROJECT AREA. ADDITIONALLY, CURB/GUTTER/SIDEWALK REMOVAL/PLACEMENT, RELOCATION OF TREES, LANDSCAPING ACTIVITIES AND IRRIGATION ACTIVITIES ARE POTENTIAL CAUSES FOR DAMAGE TO BCTED'S COMMUNICATION CABLE/CONDUIT. ALL PARTIES SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN PROXIMITY TO THE COMMUNICATIONS CABLE/CONDUIT.

ANY ABOVE PROJECT ACTIVITY, INCIDENTAL OR OTHERWISE, WHICH IMPACTS OR DAMAGES THE COMMUNICATIONS CABLE/CONDUIT, SHALL BE SUBJECT TO THE FOLLOWING NOTES AND CONDITIONS BELOW.

COMMUNICATIONS NOTES

THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ALL SYSTEM COMMUNICATIONS EQUIPMENT, CABLING AND RELATED MATERIAL SHALL COMPLY WITH BROWARD COUNTY'S LATEST EDITION OF MINIMUM STANDARDS AS EXPRESSED IN THE "STANDARDS AND SPECIFICATIONS - COMMUNICATION INFRASTRUCTURE" DOCUMENT. ALSO REFER TO THE COUNTY'S COMMUNICATIONS PROCEDURES AND POLICES. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WILL NOT ACCEPT ANY PROJECTS THAT DO NOT MEET THESE STANDARDS AND SPECIFICATIONS. FOR A COPY OF THESE STANDARDS REFER TO BROWARD COUNTY WEB SITE AT WWW.BROWARD.ORG/TRAFFIC UNDER PUBLICATIONS OR CONTACT ROBERT BLOUNT, COMMUNICATIONS MANAGER AT RBLOUNT@BROWARD.ORG.

INCLUDE BROWARD COUNTY TRAFFIC ENGINEERING (BCTED) IN ANY NOTICE OF UTILITY OWNERSHIP OR WITHIN A "UTILITY OWNERS/CONTACT PERSON" TABLE AS: BROWARD COUNTY TRAFFIC ENGINEERING 954-487-2745 (BOB BLOUNT).

IF FIBER OPTIC PULL BOXES ALREADY EXIST AT AN INTERSECTION, NO ADDITIONAL PULL BOXES WILL BE INSTALLED.

ALL BCTED COMMUNICATIONS CABLE/CONDUIT SHALL BE LOCATED IN A MINIMUM OF 48 HOURS IN ADVANCE.

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION PROCEDURE FOR NOTIFICATION OF COMMUNICATION DISRUPTION

WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE INTERRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE AN ADVANCE TWO DAY NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE COMMUNICATIONS MANAGER AT RBLOUNT@BROWARD.ORG. NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE AT OFF PEAK HOURS BEGINNING AT 9:00AM AND ENDING AT 3:00PM.

EARTHWORK NOTES

- ALL DEMOLITION DEBRIS AND EXCESS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF AT AN APPROVED OFF-SITE LOCATION, IN AN APPROVED MANNER, UNLESS OTHERWISE DESIGNATED BY THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR ALL HAUL ROUTES, TO AND FROM THE SITE, FROM ALL REQUIRED AGENCIES/MUNICIPALITIES.

GENERAL NOTES - TRAFFIC CONTROL PLAN

- THE TRAFFIC CONTROL PLANS FOR THE PROJECT SHALL COMPLY WITH THE LATEST EDITION OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX NO. 600-660. MUTCD AND THE STANDARD SPECIFICATIONS. THE CONTRACTOR'S RESPONSE TIME TO ALL REPORTED MALFUNCTIONS OF TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS SHALL BE NO MORE THAN TWO (2) HOURS AND SHALL RESTORE ALL MALFUNCTIONING TRAFFIC SIGNAL EQUIPMENT TO ITS LEVEL OF OPERATION PRIOR TO THE MALFUNCTIONING WITHIN TWENTY-FOUR (24) HOURS. DURING THIS TIME THE CONTRACTOR SHALL PROVIDE AT HIS EXPENSE TEMPORARY TRAFFIC CONTROL DEVICES, FLAGGLER PERSONNEL AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW OF TRAFFIC AT THE AFFECTED WORK ZONE. THE ENGINEER OR THE CITY OF OAKLAND PARK SHALL APPROVE ALL MODIFICATIONS PRIOR TO THEIR IMPLEMENTATION.
- THE CONTRACTOR SHALL MAINTAIN PROPER OPERATION OF ALL TRAFFIC SIGNAL LOOP ASSEMBLIES AND LOOP DETECTORS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL CORRECT ALL LOOP ASSEMBLY/DETECTOR MALFUNCTIONS WITHIN 24 HOURS OF NOTIFICATION OF SUCH MALFUNCTIONS BY THE ENGINEER.
- THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING.
- A REGULATORY SPEED OF 25 MPH SHALL BE POSTED WITHIN THE LIMITS OF THE WORK ZONE.
- EXISTING SIGNS AND PAVEMENT MARKINGS THAT CONFLICT WITH CONSTRUCTION SIGNS AND MARKINGS SHALL BE REMOVED DURING CONSTRUCTION. ALL EXISTING SIGNS THAT ARE REMOVED SHALL BE STOCKPILED IN A SECURE PLACE AND REINSTALLED AFTER CONSTRUCTION. REMOVE AND REPLACE ANY GROUND MOUNT SIGN BY USE OF INDEX NO. 611.
- THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AND PREVENT ADVERSE FLOODING OF THE TRAVEL LANES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM THE CITY OF OAKLAND PARK FOR ANY AND ALL CONSTRUCTION ACTIVITIES TO BE PERFORMED AT NIGHT. NO LANE CLOSURE SHALL BE ALLOWED BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM, MONDAY THROUGH FRIDAY UNLESS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. SEE SPECS FOR LIST OF UTILITY COMPANIES.
- TRAFFIC CONTROL ON ALL COUNTY RIGHTS-OF-WAY SHALL MEET THE ADDITIONAL REQUIREMENTS OF THE BROWARD COUNTY ENGINEERING DEPARTMENT.
- THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING.
- CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC PLAN (MOT) WHERE REQUIRED BY FEDERAL, STATE, COUNTY, OR LOCAL AGENCIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS AND PERMITS ASSOCIATED WITH THE MOT'S. ALL MOT'S TO BE ATS CERTIFIED.
- THE CONTRACTOR SHALL ALSO COORDINATE THE CONSTRUCTION SCHEDULE WITH FDOT, BROWARD COUNTY AND THE CITY OF FORT LAUDERDALE TO AVOID LANE CLOSURES WHICH WOULD ADVERSELY AFFECT TRAFFIC DURING RUSH HOUR.

MAINTENANCE OF TRAFFIC SCHOOL/PEDESTRIAN

- THE MAINTENANCE OF TRAFFIC PLAN, PROVIDED BY THE CONTRACTOR, SHALL INCLUDE PROVISIONS FOR PEDESTRIAN AND/OR SCHOOL STUDENT TRAFFIC AS WELL AS VEHICULAR TRAFFIC. THE FOLLOWING ARE MINIMUM REQUIREMENTS.
 - THE SAFE WALK ROUTE FOR ALL SCHOOL STUDENTS WITHIN THE VICINITY OF THE CONSTRUCTION ZONE SHALL BE MAINTAINED DURING THE TIMES STUDENTS ARE ARRIVING AT OR LEAVING SCHOOL. IF THE CURRENT WALKING SURFACE CAN NOT BE MAINTAINED, THEN A TEMPORARY ROAD-ROCK 4" WALK WAY SHALL BE CREATED. THE SAFE WALK ROUTE SHALL BE SEPARATED FROM THE CONSTRUCTION ACTIVITY BY THE 4" HIGH ORANGE CONSTRUCTION FENCE FOR THE ENTIRE LENGTH OF THE PROJECT OR THE LENGTH OF THE WALK ROUTE, WHICHEVER IS LESS.
 - ALL CONSTRUCTION EQUIPMENT AROUND ANY DESIGNATED CROSSWALK SHALL CEASE TO OPERATE DURING THE TIMES STUDENTS ARE ARRIVING AT OR LEAVING SCHOOL. ALL CONSTRUCTION EQUIPMENT ADJACENT TO A DESIGNATED WALK ROUTE SHALL CEASE OPERATING UNLESS SATISFACTORILY BARRICADED FROM THE WALK ROUTE.
 - IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE CAN NOT BE MAINTAINED, THEN THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2671, A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO CLOSING THAT ROUTE IN ORDER THAT AN ALTERNATE CROSSING/ROUTE CAN BE ESTABLISHED.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ANY NECESSARY PAVEMENT, ROAD ROCK, PAVEMENT MARKING AND SIGNAGE AND/OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN EXISTING OR ALTERNATE WALK ROUTE.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE STATE CERTIFIED SCHOOL CROSSING GUARDS OR OFF DUTY POLICE OFFICERS TO CROSS STUDENTS AT ANY LOCATIONS OTHER THAN THOSE PREVIOUSLY DESIGNATED. THE CONTRACTOR MAY USE FLAG MEN, ONLY IF THEY ARE STATE CERTIFIED AS A SCHOOL CROSSING GUARD.
 - THIRTY (30) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2671, TO ARRANGE A PRE-CONSTRUCTION - SCHOOL SAFETY MEETING.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE BROWARD COUNTY SCHOOL BOARD PUPIL TRANSPORTATION DEPARTMENT, (754) 321-4440, TO ARRANGE A PRE-CONSTRUCTION - SCHOOL BUS ROUTE MEETING. THIS MEETING IS TO DETERMINE ALL BUS ROUTES AND TO MAKE ANY NECESSARY ARRANGEMENTS FOR REROUTING. THIS MEETING SHALL INCLUDE THE SPECIAL PROJECTS COORDINATOR FROM BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2671.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SAFE AND ADEQUATE WALKING SURFACE FOR ALL SCHOOL CHILDREN/PEDESTRIANS. THE SAFE WALK ROUTE SHALL BE PART OF THE MAINTENANCE OF TRAFFIC PLAN.

GENERAL CONSTRUCTION NOTES

- NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW-OFF STRUCTURE WITHOUT FIRST OBTAINING PERMISSION AND A CONSTRUCTION METER FROM THE CITY OF OAKLAND PARK.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING, MOVING AND RELOCATING OR REPLACING ALL WATER SERVICES OR SEWER LATERALS WHICH ARE ENCOUNTERED DURING EXCAVATION. THE CONTRACTOR SHALL SUBMIT A WRITTEN PLAN FOR WATER SERVICE AND WASTEWATER SERVICE DISRUPTION FOR APPROVAL 7 (SEVEN) CALENDAR DAYS PRIOR TO THE ANTICIPATED DISRUPTION. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS 48 HOURS IN ADVANCE OF ANY WORK ON THEIR SERVICES. THIS WORK SHALL BE CONSIDERED INCIDENTAL.
- THE CONTRACTOR MUST USE EXTREME CARE TO AVOID DAMAGE OR DISRUPTION TO ANY EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. ALL PLAN LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. CONTRACTOR IS TO CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-452-4770 AND ALL OTHER PARTICIPATING UTILITIES 2 FULL BUSINESS DAYS PRIOR TO CONSTRUCTION FOR FIELD MARKUP LOCATIONS OF EXISTING UTILITIES AND FACILITIES.
- THE CONTRACTOR MUST INFORM THE CITY AT LEAST 48-HOURS IN ADVANCE OF CONSTRUCTION, IN WRITING IF ANY CONFLICT IS DISCOVERED DURING POT HOLE OPERATIONS FOR CLARIFICATION BY THE CITY.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITIES DEPARTMENT OF THE CITY OF OAKLAND PARK AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE TO COORDINATE ANY ACTIVITY TO BE PERFORMED BY THE CITY'S UTILITIES DEPARTMENT.
- CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE EXISTING RIGHTS-OF-WAY.
- IN GENERAL, EXISTING STRUCTURES AND UTILITIES ARE NOTED AS EXISTING AND/OR SHOWN IN THIN LINES. NEW CONSTRUCTION IS IN HEAVY LINES AND/OR UNDERLINED.
- ALL WORK WITHIN STATE DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH FDOT SPECIFICATIONS AND PERMIT REQUIREMENTS.
- ALL WORK WITHIN BROWARD COUNTY RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH THE BROWARD COUNTY MINIMUM STANDARDS AND/OR REQUIREMENTS.
- CONTRACTOR SHALL COMPLY WITH ALL LOCAL CITY, COUNTY AND STATE REGULATIONS PERTAINING TO THE CLOSING OF PUBLIC STREETS FOR USE OF TRAFFIC DURING CONSTRUCTION.
- CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC (MOT) PLANS TO FDOT, CITY OF OAKLAND PARK, BROWARD COUNTY AS REQUIRED FOR WORK TO BE DONE WITHIN THEIR R/W PRIOR TO COMMENCEMENT OF WORK. SPECIFIC AGENCY MOT REQUIREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- STATIONS SHOWN ON THE DRAWINGS ARE BASED ON THE ESTABLISHED BASELINE AND SHALL NOT BE CONSIDERED AS DISTANCES OR AS A MEASURE OF THE LINEAR FOOTAGE OF PIPE TO BE INSTALLED.
- THE GENERAL INTENT IS TO PROVIDE SEWER SERVICE LATERALS FOR EACH PROPERTY. ALL LATERAL LOCATIONS SHALL BE FIELD ADJUSTED.
- CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
- ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAY OR WALKWAY SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS SHALL NOT BE LEFT OPEN DURING NIGHT TIME HOURS WITHOUT ADEQUATE PROTECTION.
- CONTRACTOR SHALL PROMPTLY REPAIR AND RESTORE EXISTING PAVEMENT, SIDEWALKS, CURBS, DRIVEWAYS, PIPES, RESIDENTIAL AND COMMERCIAL SPRINKLER LINES, CONDUIT, CABLES, ETC. AND LANDSCAPE AREAS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AS REQUIRED BY AGENCIES HAVING JURISDICTION OVER THE PROJECT AND/OR WHEN REQUIRED FOR PUBLIC SAFETY.
- THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF WORK, FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- LOCATION OF AIR RELEASE VALVES MAY BE FIELD ADJUSTED BY THE ENGINEER OR CITY OF OAKLAND PARK AS NECESSARY.
- CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING UTILITY CASTINGS INCLUDING VALVE BOXES, MANHOLES, HAND HOLES, PULL BOXES, INLETS AND SIMILAR STRUCTURES IN CONSTRUCTION AREA TO BE OVERLAPPED WITH ASPHALT.
- EXISTING TRAFFIC SIGNS SHALL BE RESET UPON COMPLETION PER FDOT STANDARDS. COST SHALL BE CONSIDERED INCIDENTAL. CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED TRAFFIC SIGNAL LOOPS PER BROWARD COUNTY TRAFFIC ENGINEERING SPECIFICATIONS; COST SHALL BE INCIDENTAL.
- CONTRACTOR SHALL RESTORE EXISTING PAVEMENT AND PAVEMENT MARKINGS/SIGNAGE TO ORIGINAL PRE-CONSTRUCTION CONDITION OR AS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS. THIS WORK SHALL BE CONSIDERED INCIDENTAL.
- ALL CONSTRUCTION WITHIN FDOT R/W MUST CONFORM WITH FDOT SPECIFICATIONS, STANDARDS, AND PERMIT REQUIREMENTS. NO WORK SHALL COMMENCE WITHIN FDOT R/W'S WITHOUT AN FDOT PERMIT. FULL LANE WIDTH RESTORATION TO MATCH EXISTING PAVEMENT SECTION IS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS FOR PROPOSED WORK WITHIN FDOT R/W.
- SEWER LATERALS SHALL BE PROVIDED FOR EACH PROPERTY.
- CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS BEFORE STARTING CONSTRUCTION.
- ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988.



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FOR THE FIRM: NELSON H. ORTIZ (CIVIL)
PE-57556

PROJECT TITLE:

OAKLAND PARK-MIXED USE BUILDINGS

3855 NORTH DIXIE HIGHWAY
OAKLAND PARK, FL. 33334

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER: 2020-7033

DATE: 12/14/20

DRAWN BY: Z.H.

CHECKED BY: J.H.

APPROVED BY: N.H.O.

SCALE: AS SHOWN

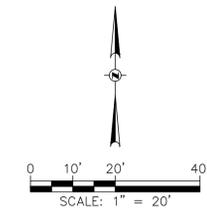
SHEET TITLE:

SCALE: 1" = 20'

PAVING MARKING AND SIGNAGE PLAN

SHEET NUMBER:

PMS-1.0

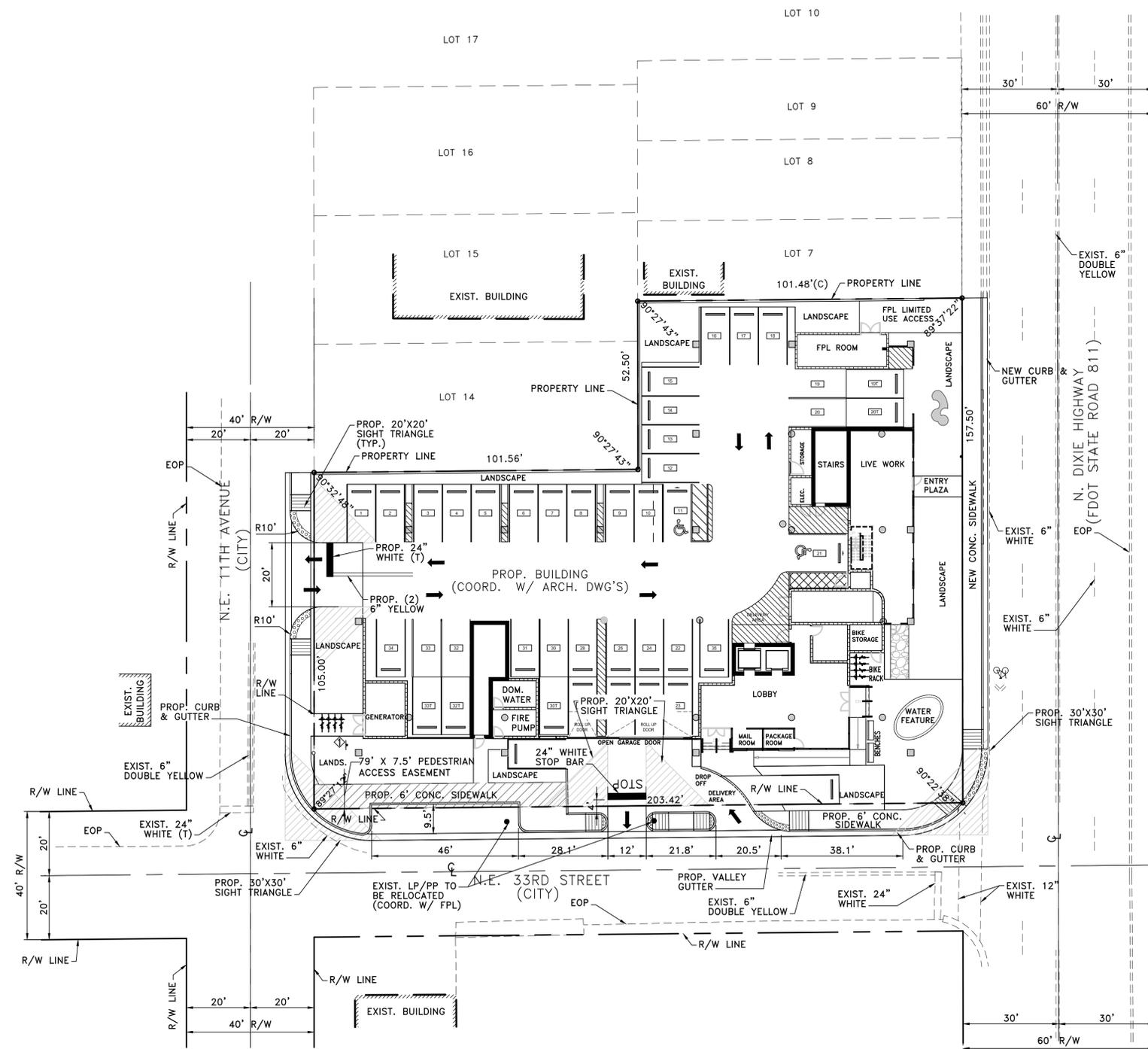


SIGN LEGEND

- R1-1 30" X 30" STOP SIGN
- R5-1 30" X 30" DO NOT ENTER SIGN
- TRAFFIC FLOW ARROW
- ⬇ NO PARKING FIRE DEPARTMENT CONNECTION

NOTE

FIRE DEPARTMENT CONNECTIONS SHALL BE IDENTIFIED BY A SIGN THAT STATES "NO PARKING, FIRE DEPARTMENT CONNECTION" AND SHALL BE DESIGNED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS FOR INFORMATION SIGNAGE.



PAVING MARKING AND SIGNAGE PLAN

SCALE: 1" = 20'



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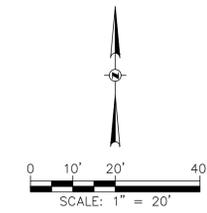
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DATE: 12/14/20
DRAWN BY: Z.H.
CHECKED BY: J.H.
APPROVED BY: N.H.O.
SCALE: AS SHOWN

SHEET TITLE:

PAVING-GRADING-DRAINAGE PLAN

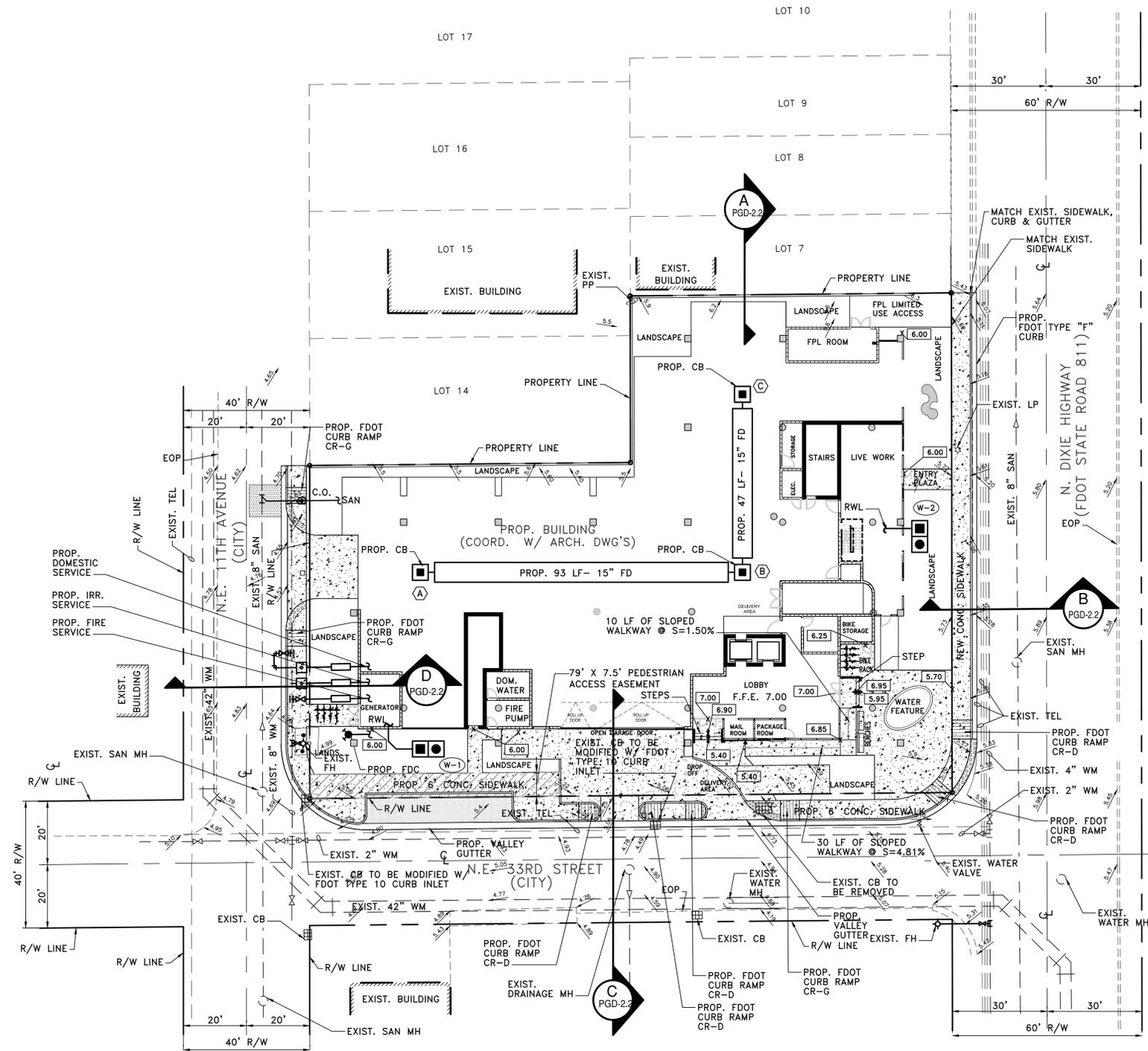
SHEET NUMBER:

PGD-1.0



LEGEND

- EXIST. ASPHALTIC PAVEMENT
- RECONSTRUCTED ASPHALTIC PAVEMENT
- EXIST. ASPHALTIC PAVEMENT (TO BE RE-CONSTRUCTED AND/OR MILLED & RESURFACED)
- PROP. CONCRETE PAVEMENT
- EXIST. SPOT ELEVATION
- PROP. SPOT ELEVATION
- PROP. CATCH BASIN
- PROP. WELL BOX
- FLOW ARROW
- RWL RAIN WATER LEADER
- SD NEW STORM DRAIN PIPE



PAVING-GRADING-DRAINAGE PLAN
SCALE: 1" = 20'



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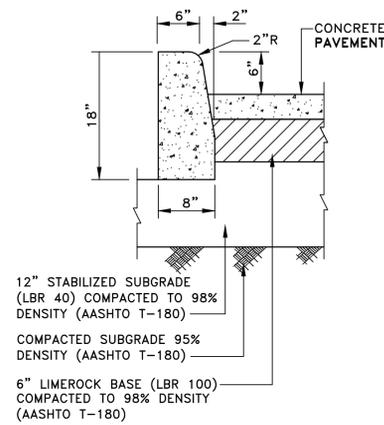
APPROVED BY: N.H.O.

SCALE: AS SHOWN

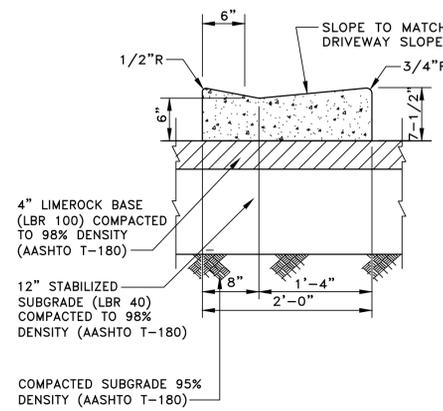
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SITE DETAIL

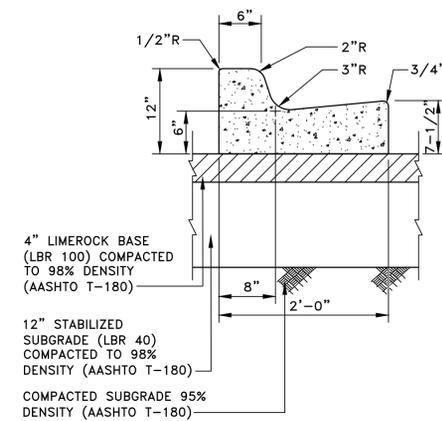
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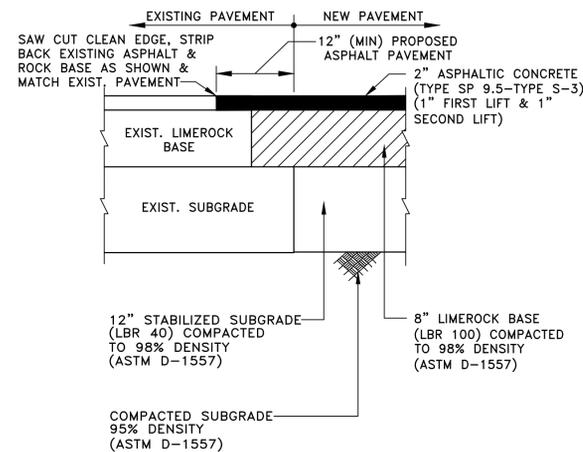
6" CONC. CURB DETAIL
SCALE: 1" = 1'-0"



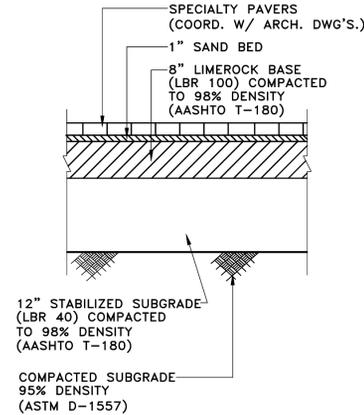
DRIVEWAY CURB DETAIL
SCALE: 1" = 1'-0"



CURB AND GUTTER DETAIL
SCALE: 1" = 1'-0"



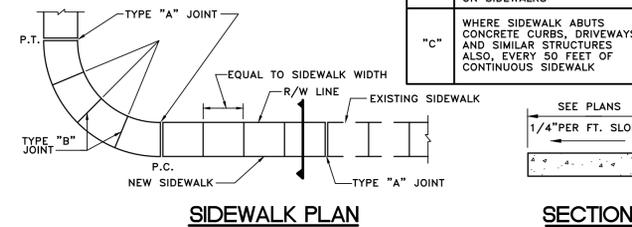
CONNECTION DETAIL AT EXISTING ASPHALT PAVEMENT
SCALE: 1" = 1'-0"



SPECIALTY PAVEMENT SECTION
N.T.S.

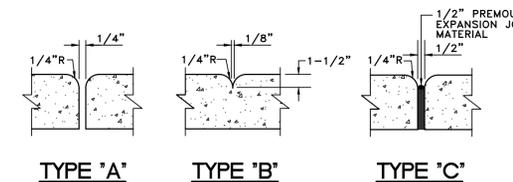
TABLE OF SIDEWALK THICKNESS "T"	
LOCATION	"T"
RESIDENTIAL AND INTERIOR AREAS	4"
AT DRIVEWAYS AND OTHER AREAS	6"

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS.
"B"	6'-0" CENTER TO CENTER ON SIDEWALKS
"C"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES ALSO, EVERY 50 FEET OF CONTINUOUS SIDEWALK



SIDEWALK PLAN

SECTION



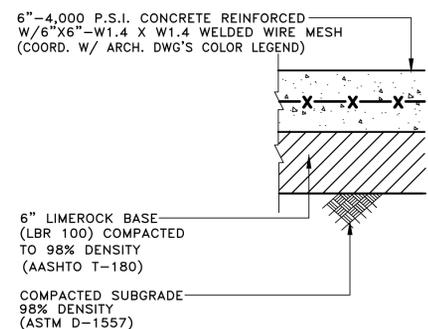
TYPE "A"

TYPE "B"

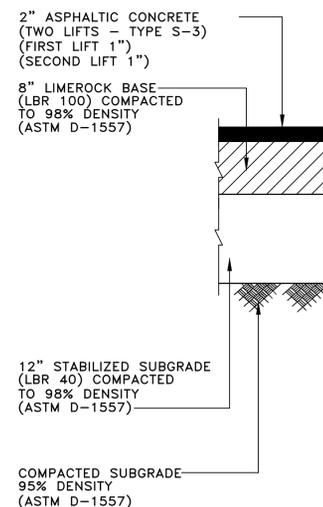
TYPE "C"

STANDARD SIDEWALK CONSTRUCTION

N.T.S.



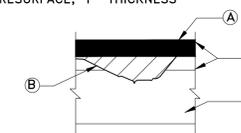
CONCRETE PAVEMENT SECTION (VEHICULAR)
N.T.S.



ASPHALTIC PAVEMENT SECTION
SCALE: 1" = 1'-0"

MILLING & RESURFACING PROCEDURE

- MILL, 1" THICKNESS
- REPAIR (WHERE REQUIRED, SEE DETAIL)
- RESURFACE, 1" THICKNESS



- (A) ASPHALTIC CONCRETE RESURFACE COURSE 1" THICK
- (B) CONTRACTOR SHALL CLEAN ALL DEPRESSIONS, POTHOLES AND OTHER IRREGULARITIES OF ALL LOOSE MATERIALS; TACK COAT THESE AREAS; AND, FILL WITH ASPHALTIC CONCRETE, COMPACTED IN 1" LIFTS TO GENERATE UNIFORM SURFACE
- (C) EXISTING ASPHALTIC CONCRETE
- (D) EXISTING BASE COURSE

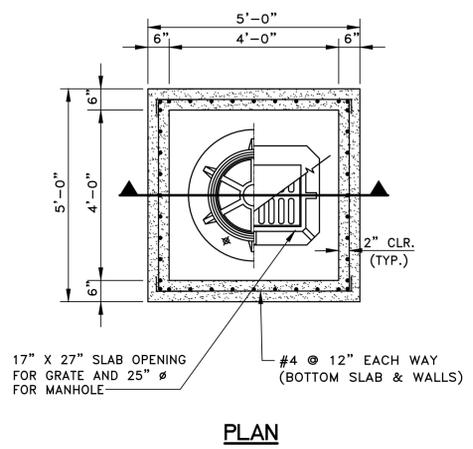
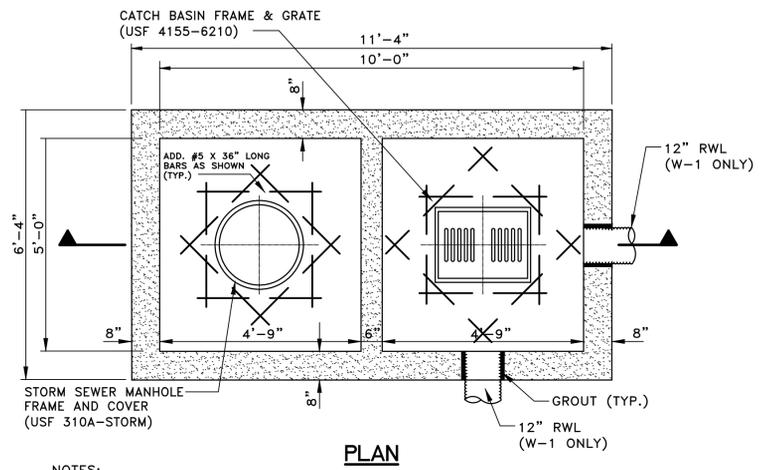
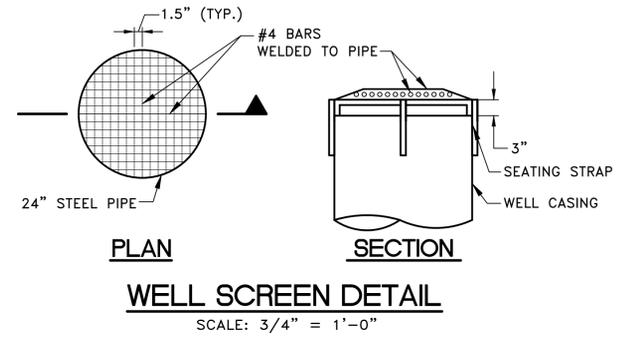
MILL/RE-SURFACE DETAIL

N.T.S.

DRAINAGE WELL NOTES

- DRAINAGE WELLS SHALL BE DRILLED TO AN ESTIMATED TOTAL DEPTH OF 90 FEET TO DISCHARGE RUNOFF TO AN AQUIFER HAVING A MINIMUM TOTAL DISSOLVED SOLIDS OF 10,000 PPM (MG/L).
- WELLS SHALL HAVE AN UPPER CASING OF BLACK STEEL PIPE OF A MINIMUM OF 24 INCHES IN DIAMETER AND 3/8 INCH THICKNESS, WITH DRIVE SHOE, WHICH SHALL BE DRIVEN TO A FIRM SEAT AND GROUT SEALED AT LEAST 3 FEET BELOW THE CAP OF THE UPPERMOST ROCK FORMATION TO BE DEVELOPED. CASING ENDS SHALL BE SQUARE TO THE AXIS OF THE SECTION AND SHALL BE WELDED TOGETHER AS DRIVING PROGRESSES.
- WELLS SHALL BE AS PLUMB AND TRUE TO LINE AS GOOD WORKMANSHIP WILL PROVIDE.
- COMPLETED WELLS SHALL BE THOROUGHLY AGITATED AND DEVELOPED.
- CONTRACTOR SHALL SUBMIT THE METHOD OF TESTING OF THE WELLS FOR CAPACITY TO THE ENGINEER FOR APPROVAL DURING THE SHOP DRAWING SUBMITTAL. THE APPROVED TEST SHALL RUN FOR A PERIOD OF A HALF-HOUR. CONTRACTOR SHALL PROVIDE CERTIFIED STATEMENT BY A PROFESSIONAL GEOLOGIST THAT THE WELL WILL COMPLY WITH THE DESIGN DISCHARGE RATE UPON COMPLETION.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR CONDUCTING THE WELL TEST AND SATISFACTORILY DISPOSING OF THE WATER PUMPED FROM THE WELL. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE TO THE OWNER AND ENGINEER PRIOR TO THE START OF THE TEST. CONTRACTOR IS TO COORDINATE THE DISPOSAL OF WATER PUMPED FROM THE WELL WITH THE OWNER.
- TEST SHALL BEGIN AT HIGH TIDE. THE WATER LEVEL IN THE DRAINAGE WELL AND THE BAY SHALL BE RECORDED EVERY 15 MINUTES FROM 30 MINUTES PRIOR TO THE START OF TEST UNTIL PUMPING IS STOPPED, AND EVERY 5 MINUTES THEREAFTER DURING THE RECOVERY UNTIL THE LEVEL IN THE WELL INCREASES BY LESS THAN 0.1 FEET PER HOUR.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE NECESSARY FLORIDA D.E.P. WELL DRILLING PERMITS AND COMPLY WITH ALL THE PROVISIONS THEREOF.
- DESIGN CAPACITY OF WELLS FROM 200 GPM/FT OF HEAD. WELL CONTRACTOR SHALL PROVIDE ENGINEER WITH WELL TEST REPORTS PRIOR TO DEMOBILIZATION.

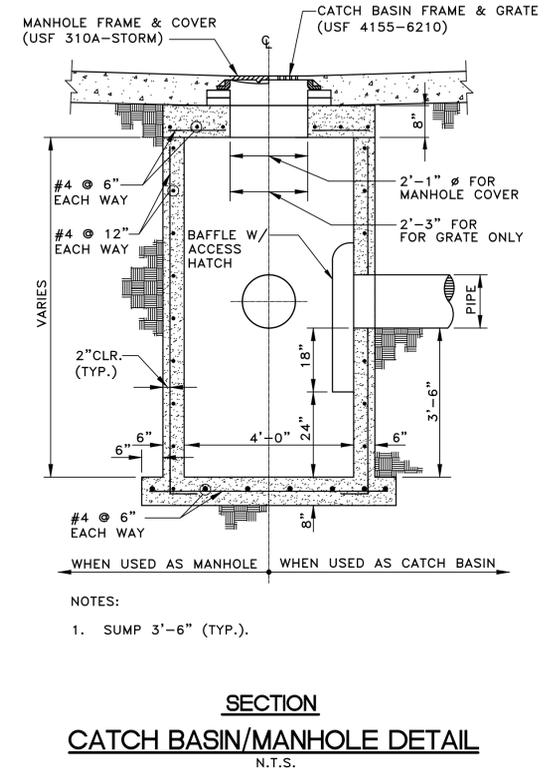
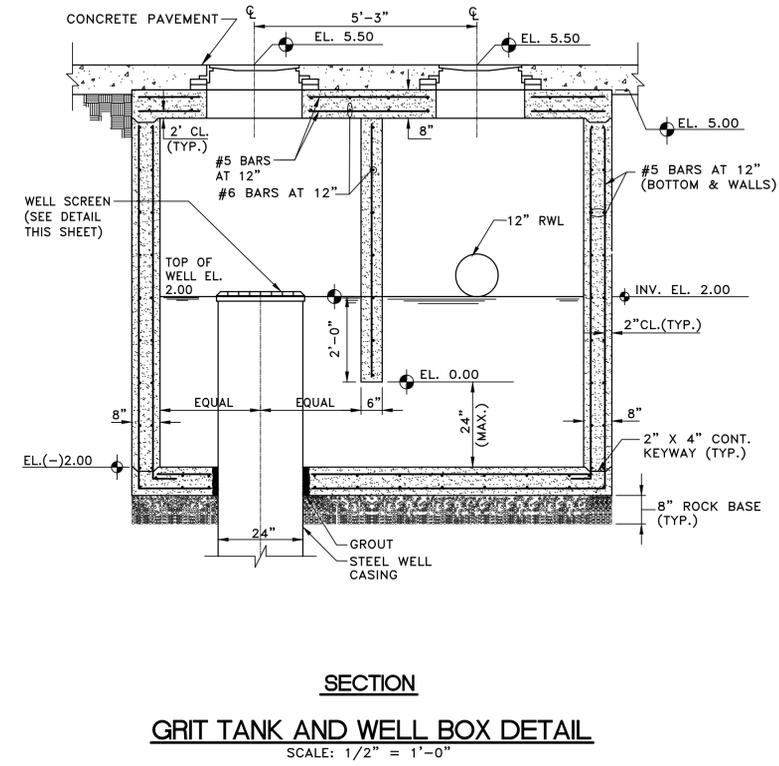
DRAINAGE WELL LOCATIONS		
ID	LATITUDE	LONGITUDE
W-1	26°10'07.49"N	80°07'55.87"W
W-2	26°10'08.27"N	80°07'54.15"W



DRAINAGE STRUCTURE TABLE					
ID	TYPE	RIM/GRATE	PIPE INVERT	STRUCTURE INVERT	POLLUTION BAFFLE
A	CATCH BASIN	6.50	3.00	(-)0.50	1 (E)
B	CATCH BASIN	6.50	3.00	(-)0.50	2 (N,W)
c	CATCH BASIN	6.50	3.00	(-)0.50	1 (S)

NOTES:

- SEE SHEET PGD-1 FOR EXACT LOCATION AND ORIENTATIONS OF ALL PIPES ENTERING/EXISTING GRIT TANKS.



- NOTES:**
- SUMP 3'-6" (TYP.).



9400 South Dadeland Boulevard
Suite 601
Miami, FL 33156
305 / 378 5555
305 / 279 4553 fax

www.graef-usa.com

CERTIFICATE OF AUTHORIZATION NO. 4270
SEAL / SIGNATURE:



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PE-57556

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3855 NORTH DIXIE HIGHWAY
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CHECKED BY: J.H.
APPROVED BY: N.H.O.
SCALE: AS SHOWN

SHEET TITLE:
DRAINAGE DETAIL

SHEET NUMBER:

PGD-2.1



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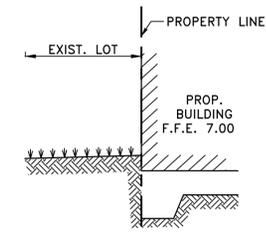
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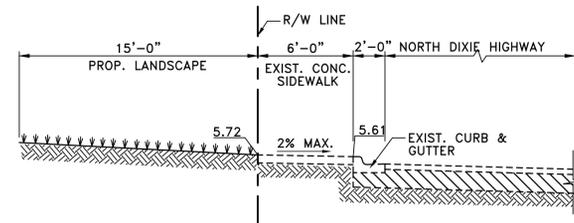
SITE SECTIONS

SHEET NUMBER:

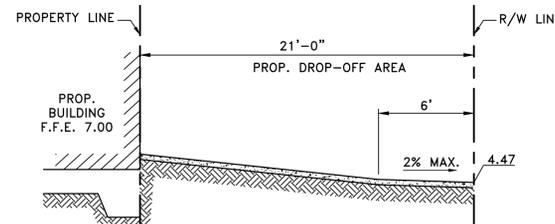
PGD-2.2



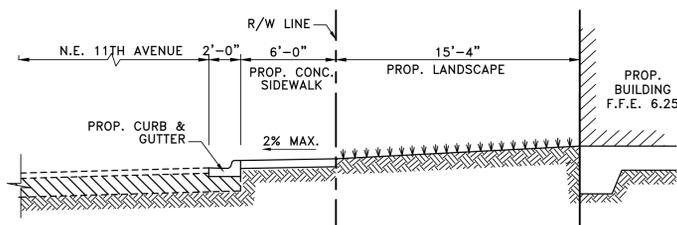
SECTION A
(LOOKING EAST) SCALE : 3/16" = 1'-0" PGD-2.2



SECTION B
(LOOKING NORTH) SCALE : 3/16" = 1'-0" PGD-2.2



SECTION C
(LOOKING EAST) SCALE : 3/16" = 1'-0" PGD-2.2



SECTION D
(LOOKING NORTH) SCALE : 3/16" = 1'-0" PGD-2.2



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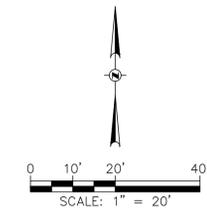
APPROVED BY: N.H.O.

SCALE: AS SHOWN

SHEET TITLE:

WATER AND SEWER PLAN

SHEET NUMBER:



FIRE NOTE
ALL UNDERGROUND FIRE MAIN WORK WILL BE COMPLETED BY A CONTRACTOR HOLDING A CLASS I, II, OR V LICENSE PER FS 633.102.

AVERAGE DAILY WATER AND SEWER DEMANDS

EXISTING	
WATER:	
NO WATER IS CURRENTLY BEING SERVICED	= 0 GPD
TOTAL:	= 0 GPD
SEWER:	
NO WATER IS CURRENTLY BEING SERVICED	= 0 GPD
TOTAL:	= 0 GPD

PROPOSED

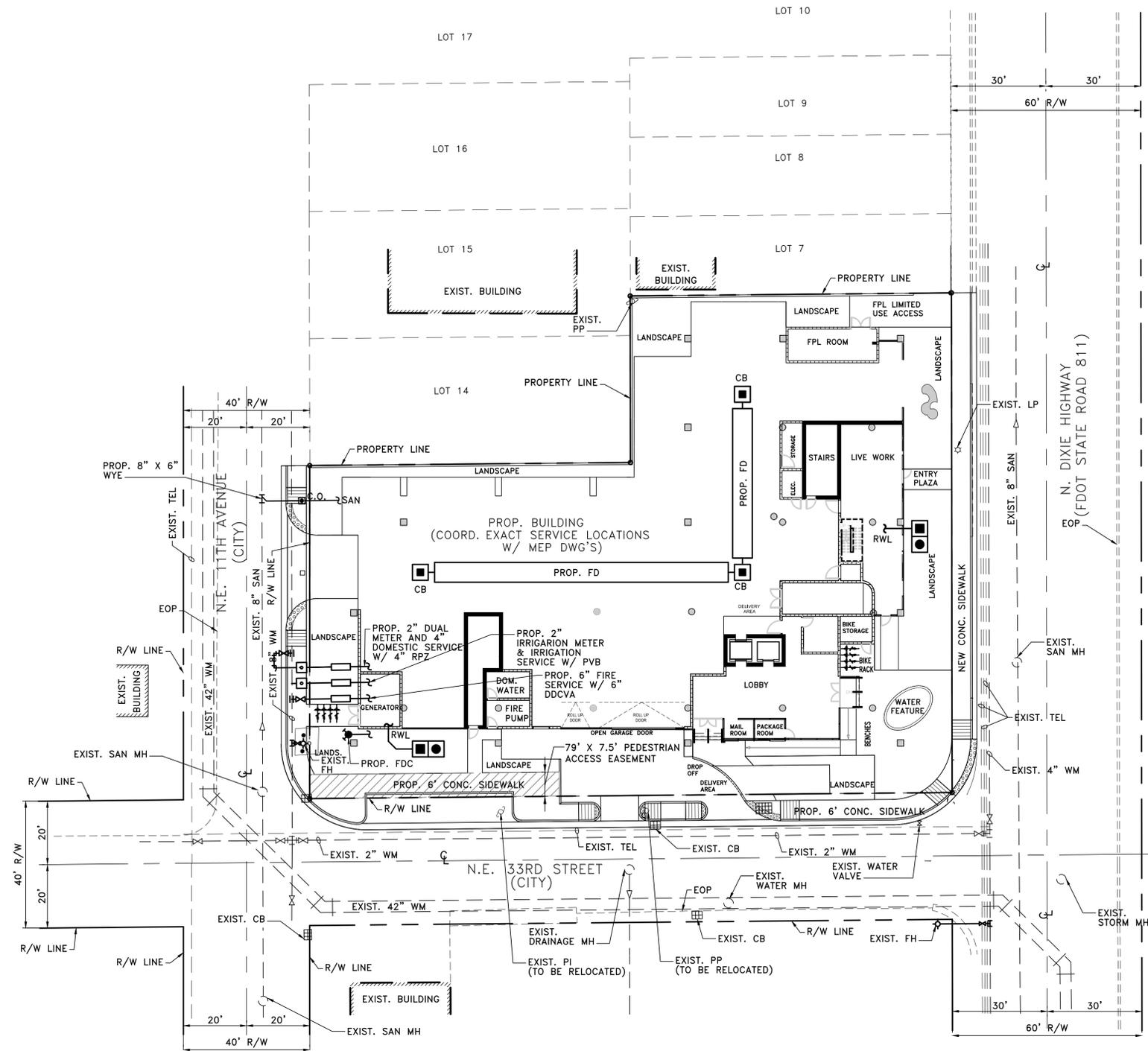
WATER:	
DOMESTIC:	
(RESIDENTIAL): 43 UNITS @ 135 GPD/UNIT	= 5,805 GPD
IRRIGATION: 1.5 IN/WEEK	
PERVIOUS AREA = 4,646 SQ. FT. = 0.1067 AC (1.5 IN/12 X 4,646 SQ. FT.) X (0.133681 GAL/CF) X (7 DAYS/WEEK)	= 544 GPD
TOTAL:	= 6,349 GPD
SEWER:	
(RESIDENTIAL): 43 UNITS @ 135 GPD/UNIT	= 5,805 GPD
TOTAL:	= 5,805 GPD

LEGEND

EXISTING	PROPOSED
WM	WM
Gate Valve	Gate Valve
SAN. MANHOLE	N/A
SAN.	SAN.
N/A	SAN. CLEANOUT

NOTES

- ALL AUTOMATIC FIRE SPRINKLER PIPING, INCLUDING THE UNDERGROUND FIRE SERVICE, SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR AS PER FLORIDA ADMINISTRATIVE CODE RULE 69A-46 AND STATE STATUTE 489.105(n)
- FIRE DEPARTMENT CONNECTIONS SHALL BE IDENTIFIED BY A SIGN THAT STATES "NO PARKING, FIRE DEPARTMENT CONNECTION" AND SHALL BE DESIGNED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS FOR INFORMATION SIGNAGE.



WATER AND SEWER PLAN
SCALE: 1" = 20'

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NOTES

A. GENERAL NOTES

- ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION AS DETAILED IN THE FDOT STANDARDS.
- ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN ACCORDANCE WITH EPA'S NPDES REQUIREMENTS. THE CONTRACTOR MUST ENSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
- ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
- CONTRACTOR'S SUBMITTALS:
THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE FOLLOWING ITEMS TO FDEP IN ORDER FOR THE NPDES PERMIT TO BE PROCESSED:
 - IF THIS SWPPP IS ADOPTED BY THE CONTRACTOR, THE SWPPP SHEETS AND OTHER PLAN SHEETS SHALL BE INCLUDED BY REFERENCE IN THE NOTICE OF INTENT (NOI) SUBMITTAL. THE CONTRACTOR MAY ELECT TO SUBMIT A REVISED SWPPP THAT IS IN COMPLIANCE WITH THE STORM WATER REGULATIONS AT 40 CFR 122.26(b)(14) AND STATE WATER QUALITY STANDARDS.
 - SIGNED CONTRACTOR CERTIFICATION FORMS (2). THESE FORMS MUST BE SIGNED BY BOTH THE PRIME CONTRACTOR AND SUB-CONTRACTOR (IF APPLICABLE) PERFORMING SOIL-DISTURBING ACTIVITIES.
 - HAZARDOUS MATERIAL SPILL CONTROL PLAN.
 - STAGING AREAS, STOCKPILE LOCATIONS AND STABILIZATION PRACTICES.
 - DEWATERING PLAN (IF APPLICABLE).
- NO SOIL DISTURBING ACTIVITIES CAN BE CONDUCTED UNTIL THE NPDES PACKAGE HAS BEEN MAILED TO THE FDEP.
- THE CONTRACTOR'S MODIFIED SWPPP MUST ALSO RECEIVE APPROVAL FROM FDOT PERMITS OFFICE PRIOR TO IMPLEMENTATION.
- ANY DAMAGED OR INEFFECTIVE BAGS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION OF ROCK BAG INSTALLATION IS AS MENTIONED IN EROSION CONTROL PLANS. THE PROJECT ENGINEER MAY SPECIFY OTHER AREAS AS NECESSARY.
- DITCH BOTTOM INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. ROCK BAGS SHALL BE INSTALLED AROUND INLET TOP.

COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH ROCK BAGS TO PREVENT SEDIMENT INTAKE FROM OTHER AREAS.
- CURB INLETS ALSO SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN "SECTION 104" FDOT STANDARDS SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION.
- STOCKPILED MATERIALS SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER AND/OR OTHER APPROPRIATE EROSION CONTROL MEASURES.
- INSPECTION OF EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES SHALL BE PERFORMED DAILY BY THE CONTRACTOR'S REPRESENTATIVE AND THE PROJECT ENGINEER. DEFICIENCIES SHALL BE NOTED AND CORRECTED.
- ANY OFFSITE SEDIMENT DISCHARGE TO A MUNICIPALLY SEPARATE STORM SEWER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES SHALL HAVE EROSION CONTROLS PROVIDED FOR THOSE INLETS.
- THE AGGREGATE LAYER OF ALL CONSTRUCTION ENTRANCE GRAVEL BEDS MUST BE AT LEAST 6 INCHES THICK. IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 50 FEET. THE ENTRANCE MUST WIDEN AT ITS CONNECTION TO THE ROADWAY IN ORDER TO ACCOMMODATE THE TURNING RADIUS OF LARGE TRUCKS.

B. SITE DESCRIPTION

CONSTRUCTION ACTIVITY:

DEMOLITION, DRAINAGE AND UTILITY INSTALLATION, BUILDING AND ROAD CONSTRUCTION, LAND DEVELOPMENT.

PROJECT LIMITS:

NE 33RD ST TO THE SOUTH, N DIXIE HIGHWAY TO THE EAST, NE 11TH AVE TO THE WEST, AND PRIVATE PROPERTY TO THE NORTH.

PROJECT DESCRIPTION:

DEMOLITION OF AN EXISTING SITE LOCATED AT 3328 NE 11TH AVENUE AND CONSTRUCTION OF A NEW 6-STORY RESIDENTIAL BUILDING.

MAJOR SOIL DISTURBING ACTIVITIES:

CLEARING AND GRUBBING, REMOVAL OF EXISTING PAVEMENT AND BUILDING, EXCAVATION FOR STORMWATER FACILITIES AND OTHER UTILITIES, PILE DRIVING, PLACEMENT OF FILL FOUNDATIONS, EXCAVATION AND REPLACEMENT WITH FILL IN AREA OF WASTE MATERIAL.

TOTAL PROJECT AREA: 0.613 ACRES
TOTAL AREA TO BE DISTURBED: 0.613 ACRES

LOCATIONS OF DRAINAGE AREAS AND OUTFALLS:

SEE ATTACHED PLAN.

THE DRAINAGE SYSTEM FOR THIS PROJECT IS A CLOSED SYSTEM. RECEIVING WATERS IN THE EVENT OF A MAJOR STORM EVENT WILL BE THE INTRACOASTAL WATERWAY APPROXIMATELY 2,030 FT SOUTH OF THE PROJECT SITE AT LATITUDE AND LONGITUDE 26°09'48.7"N/ 80°07'59.4"W.

AREA OF DISCHARGE FOR THIS PROJECT IS 0.613 ACRES = 26,690 SF

SOILS ARE CLASSIFIED AS URBAN LAND COMPLEX AND URBAN LAND. QUALITY OF DISCHARGE IS LIMESTONE FILL AND SAND.

LATITUDE AND LONGITUDE OF DIRECT DISCHARGE POINT IS NOT APPLICABLE SINCE THIS IS A CLOSED SYSTEM WITH NO DIRECT DISCHARGE TO ADJACENT SURFACE WATERS. HOWEVER, LATITUDE AND LONGITUDE OF THIS PROJECT AS INDICATED IN THE NOI IS: 26°10'08.1"N/ 80°07'55.8"W AND LATITUDE AND LONGITUDE OF THE INTRACOASTAL WATERWAY IS 26°09'48.7"N/ 80°07'59.4"W.

C. CONTROLS

NARRATIVE – SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS.

CONSTRUCTION OF THE 3328 NE 11TH AVENUE PROJECT DRAINAGE SYSTEM INCLUDES DRAINAGE WELLS AND EXFILTRATION TRENCHES BOUNDED BY NE 33RD ST TO THE SOUTH, N DIXIE HIGHWAY TO THE EAST, NE 11TH AVE TO THE WEST, AND PRIVATE PROPERTY TO THE NORTH.

PRIOR TO COMMENCEMENT OF EACH PHASE OF CONSTRUCTION ACTIVITIES, ALL EROSION CONTROLS PERTAINING TO THAT PHASE MUST BE IMPLEMENTED.

TEMPORARY STABILIZATION:
DISTURBED PORTIONS OF THE SITE (E.G. EMBANKMENT AT TEMPORARY RAMPS) WHERE CONSTRUCTION ACTIVITY CEASES FOR AT LEAST 21 DAYS, SHALL BE STABILIZED WITH TEMPORARY SOD OR TEMPORARY SEEDING AND MULCHING NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.

PERMANENT STABILIZATION:
DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASES SHALL BE STABILIZED WITH SOD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

1. EROSION AND SEDIMENT CONTROLS:

- (1) STABILIZATION PRACTICES:
- TEMPORARY SODDING
 - TEMPORARY GRASSING
 - PERMANENT SODDING, SEEDING OR SEED & MULCH
 - TEMPORARY MULCHING
 - ARTIFICIAL COVERING
 - BUFFER ZONES
 - PRESERVATION OF NATURAL RESOURCES

OTHER:

- (2) STRUCTURAL PRACTICES:
- SAND BAGGING
 - SILT FENCES
 - ROCK BAGS
 - BERMS
 - DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
 - PIPE SLOPE DRAINS
 - FLUMES
 - ROCK BEDDING AT CONSTRUCTION EXIT
 - TIMBER BEDDING AT CONSTRUCTION EXIT
 - DITCH LINER
 - SEDIMENT TRAPS (DURING DE-WATERING)
 - SEDIMENT BASINS
 - STORM INLET SEDIMENT TRAP
 - STONE OUTLET STRUCTURES
 - CURBS AND GUTTERS
 - STORM SEWERS
 - VELOCITY CONTROL DEVICES
 - TURBIDITY BARRIER
 - RIP RAP

2. DESCRIPTION OF STORM WATER MANAGEMENT:

THE STORMWATER MANAGEMENT SYSTEM CONSISTS OF CATCH BASINS AND STORM SEWERS THAT CONVEY STORMWATER INTO THE DRAINAGE WELLS AND EXFILTRATION TRENCHES THAT TREAT THE WATER QUALITY AND WATER QUANTITY REQUIREMENT.

3. OTHER CONTROLS

- (1) WASTE DISPOSAL:
IN APPROVED OFFSITE AREAS PROVIDED BY THE CONTRACTOR.
- (2) OFFSITE VEHICLE TRACKING:
- HAUL ROADS DAMPENED FOR DUST CONTROL
 - LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
 - EXCESS DIRT ON ROAD REMOVED DAILY
 - STABILIZED CONSTRUCTION ENTRANCE
- OTHER:
- (3) SANITARY WASTE:
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION OF A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.
- (4) FERTILIZERS AND PESTICIDES:
FERTILIZER TO BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. IF STORED ON-SITE, STORAGE WILL BE IN COVERED SHED. THE CONTENT OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEPARATE PLASTIC BIN TO AVOID SPILLS.
- (5) NON-STORM WATER DISCHARGE (INCLUDING SPILL REPORTING) THE CONTRACTOR IS RESPONSIBLE FOR REPORTING SPILLS TO BROWARD COUNTY DEVELOPMENT & ENVIRONMENTAL REGULATION DIVISION. THE CONSTRUCTION OF THE FOUNDATIONS FOR THIS PROJECT MAY REQUIRE DEWATERING. THE DEWATERING SYSTEM WILL BE FILTERED USING A WELL POINT SYSTEM IN ACCORDANCE WITH PERMIT REQUIREMENTS.

REMARKS:
IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED OR HAZARDOUS SPILLS OCCUR DURING CONSTRUCTION THE BROWARD COUNTY DEVELOPMENT & ENVIRONMENTAL REGULATION DIVISION SHALL BE CONTACTED AT THEIR HOTLINE: (954) 519-1499.

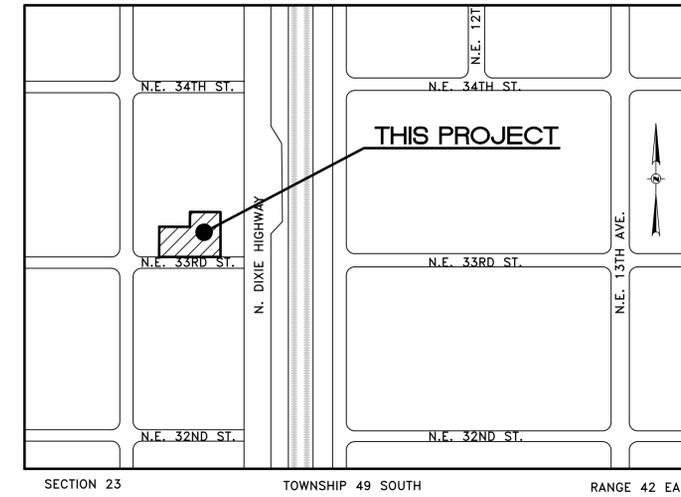
4. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS:
BROWARD COUNTY WATER MANAGEMENT DISTRICT, CITY OF FT. LAUDERDALE AND FLORIDA DEPARTMENT OF TRANSPORTATION.

D. MAINTENANCE

- ITEM:
SILT FENCE
ROCK BAGS
FLOATING TURBIDITY BARRIERS
- MAINTENANCE:
ALL CONTROLS SHALL BE MAINTAINED IN PROPER WORKING ORDER AT ALL TIMES DURING CONSTRUCTION.
IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF BEING NOTED IN CONTRACTOR'S DAILY INSPECTION REPORT.
WHEN THE CONSTRUCTION ENTRANCE GRAVEL BEDS BECOME LOADED WITH SEDIMENTS, REWORK BEDS TO DISPLACE SEDIMENT LOAD AND RE-ESTABLISH EFFECTIVENESS OF THE GRAVEL BEDS.
- CONSTRUCTION ENTRANCE
GRAVEL BED

E. INSPECTION

THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL FEATURES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5" OR GREATER. IN ADDITION, A DAILY REVIEW OF THE LOCATION OF SILT FENCES SHALL BE MADE IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CHANGED THE NATURAL CONTOUR AND DRAINAGE RUNOFF. IN ORDER TO INSURE THAT SILT FENCES AND OTHER EROSION CONTROL DEVICES ARE PROPERLY LOCATED FOR EFFECTIVENESS. A FORM ACCEPTABLE TO THE FDEP WILL BE USED TO REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION. EACH INSPECTION REPORT SHALL BE SIGNED AND SUBMITTED WEEKLY TO THE PROJECT ENGINEER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF BEING NOTED IN CONTRACTOR'S INSPECTION REPORT.



LOCATION MAP
N.T.S.

LEGAL DESCRIPTION

LOTS 1, 2, 3, 4, 5 AND 6, 12 AND 13, BLOCK 103, OAKLAND PARK, SECOND ADDITION, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 39, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

SAID LAND SITUATE, LYING AND BEING IN THE CITY OF OAKLAND PARK, BROWARD COUNTY, FLORIDA AND CONTAINING 26,690 SQUARE FEET OR 0.6127 ACRES, MORE OR LESS.

PERMIT SET
MUST BE ON JOBSITE AT ALL TIMES DURING CONSTRUCTION

MATERIALS
ALL MATERIAL USED AND INSTALLATIONS WITHIN THE PUBLIC RIGHT OF WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION SPECIFICATIONS.

NOTICE INSPECTION REQUIRED
24 HRS. PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT OF WAY CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT (954)577-4600 FOR INSPECTION.

NOTE:
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION. A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.

BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

- PLAN CONSISTENT WITH PLAT REQUIREMENTS
 - PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE
- BY: _____ DATE: _____
DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS



9400 South Dadeland Boulevard
Suite 601
Miami, FL 33156
305 / 378 5555
305 / 279 4553 fax

www.graef-usa.com

CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NELSON H. ORTIZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FOR THE FIRM: NELSON H. ORTIZ
PE-57556 (CIVIL)

PROJECT TITLE:

OAKLAND PARK-MIXED USE BUILDINGS
3855 NORTH DIXIE HIGHWAY
OAKLAND PARK, FL. 33334

ISSUE:

NO. DATE REVISIONS BY

PROJECT INFORMATION:

PROJECT NUMBER: 2020-7033
DATE: 12/14/20
DRAWN BY: Z.H.
CHECKED BY: J.H.
APPROVED BY: N.H.O.
SCALE: AS SHOWN

SHEET TITLE:

STORMWATER POLLUTION PREVENTION NOTES

SHEET NUMBER:

SWPPP-1

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12/18/2020
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NELSON H. ORTIZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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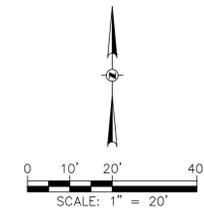
APPROVED BY: N.H.O.

SCALE: AS SHOWN

SHEET TITLE:

STORMWATER POLLUTION PREVENTION PLAN

SHEET NUMBER:



LEGEND

- GRAVEL BED (No. 25 ROCK)
- STAKED SILT FENCE

NOTES:

1. PERIMETER CONSTRUCTION FENCE SHALL BE PROVIDED WITH WIND SCREEN TO MAINTAIN SUFFICIENT DUST CONTROL.
2. INSTALLATION OF EROSION AND SEDIMENT CONTROLS SHALL BE IN ACCORDANCE WITH FDOT, INDEX No. 102, LATEST EDITION.
3. INSTALLATION OF HAY BALES SHALL BE IN ACCORDANCE WITH FDOT, INDEX No. 102, LATEST EDITION.
4. PLACEMENT OF ROCK BAGS SHALL BE IN ACCORDANCE WITH FDOT, INDEX No. 102, LATEST EDITION.

PERMIT SET

MUST BE ON JOBSITE AT ALL TIMES DURING CONSTRUCTION

MATERIALS

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NOTICE INSPECTION REQUIRED

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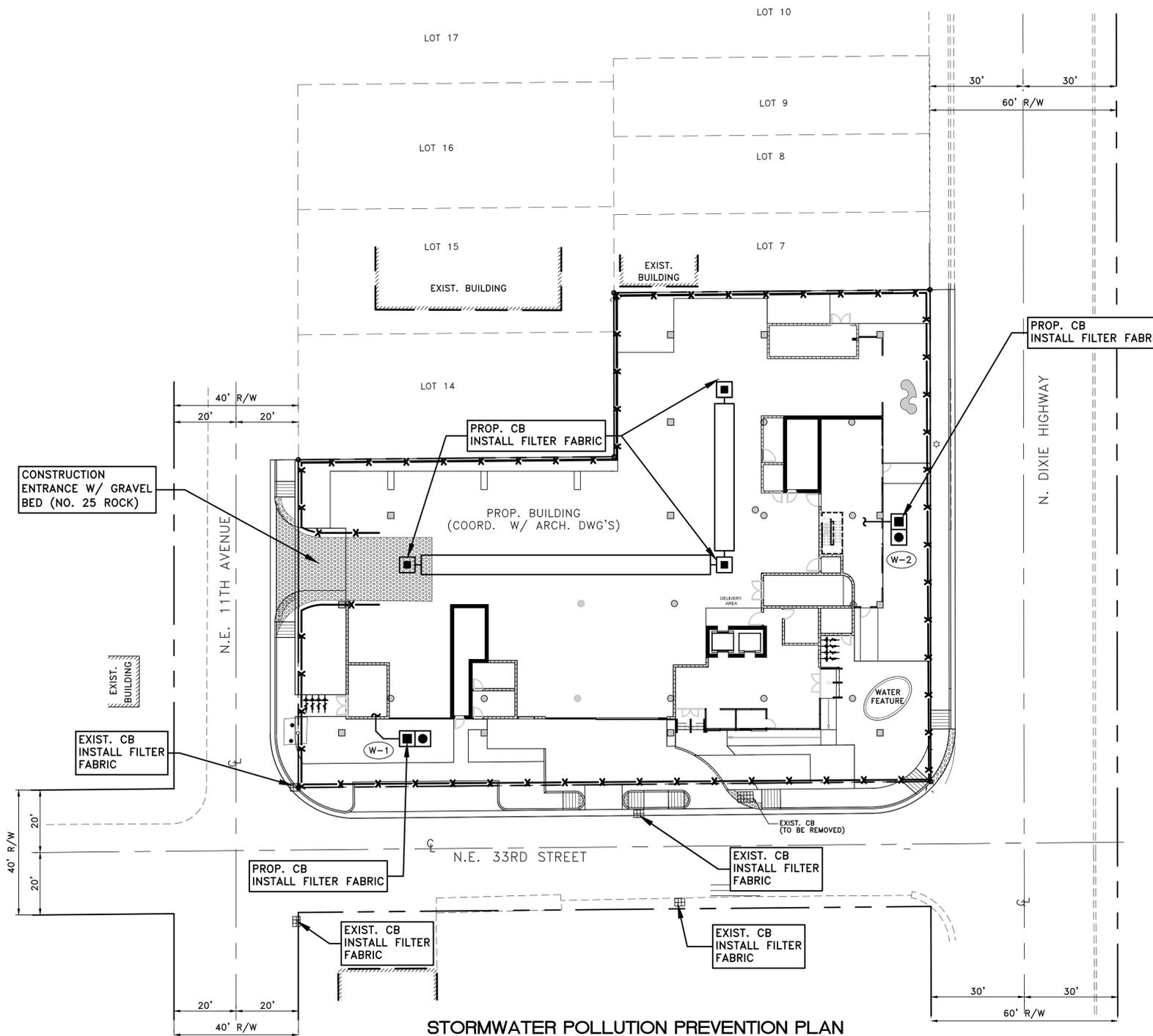
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BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

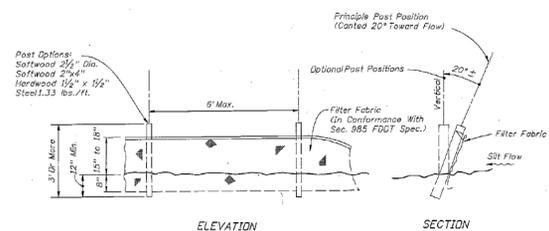
- PLAN CONSISTENT WITH PLAT REQUIREMENTS
- PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: _____ DATE: _____
DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS

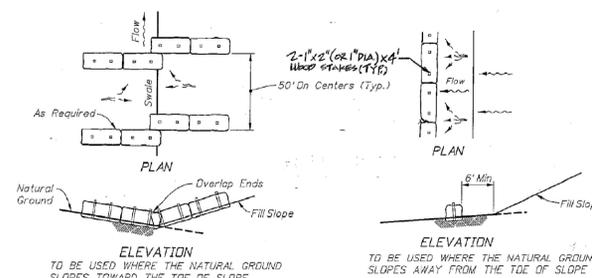


STORMWATER POLLUTION PREVENTION PLAN

SCALE: 1" = 20'



TYPE III SILT FENCE DETAIL
(FDOT INDEX 102) N.T.S.



HAY BALES FOR FILL SLOPES
(FDOT INDEX 102) N.T.S.

Sunshine 811
Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.
Check positive response codes before you dig!